

AMENDMENTS TO THE CLAIMS

1. (Currently Amended) A system comprising:

a computer system having a processor coupled with a memory, the computer system further including an application server, the application server including a unified logging and tracing system including a logging system to generate log messages, and a tracing system to generate trace messages, the unified logging and tracing system having one or more log controllers to receive one or more messages from an application wherein each of the one or more log controllers is a Java-class that includes one or more subclasses or modules selected from a group comprising a category subclass-to generate the log messages and a location subclass-to generate the trace messages, wherein the generating of the trace messages includes reconstructing a control flow of the application while executing, wherein the trace messages are emitted to the location, the location including an area of program code; a log manager coupled to the one or more log controllers to manage the one or more log controllers;

one or more logs to which the received messages are forwarded;

a formatter coupled to the one or more logs, the formatter to format each of the one or more messages prior to publication of the one or more messages, wherein each of the one or more messages is associated with a log record, wherein the log record includes severity information, the severity information having one or more of debug, path, info, warning, error, fatal, and none; and

- a viewer coupled to the formatter, the viewer to display the formatted one or more messages.
2. (Original) The system of claim 1, wherein the log manager is part of a kernel of a Java 2 Enterprise Edition (J2EE) Engine.
 3. (Original) The system of claim 1, wherein the log manager configures a plurality of logging routines for a kernel.
 4. (Original) The system of claim 1, wherein the log manager provides support for storing system critical logs in a database.
 5. (Cancelled)
 6. (Previously Presented) The system of claim 1, wherein the formatter includes one or more subclasses or modules selected from a group comprising a list formatter, a trace formatter, and an Extensible Markup Language (XML) formatter.
 7. (Previously Presented) The system of claim 1, wherein each of the one or more logs include one or more subclasses or modules selected from a group comprising a stream log, a file log, and a console log.
 8. (Previously Presented) The system of claim 7, wherein one or more of the file log and the console log include subclasses of the stream log.

Claims 9-12 (Cancelled)

13. (Currently Amended) A method comprising:

executing a unified logging and tracing system including a logging system to generate log messages, and a tracing system to generate trace messages,
wherein the executing of the unified logging and tracing system further includes receiving one or more messages from an application via one or more log controllers, wherein each of the one or more log controllers is a Java-class that includes one or more subclasses or modules selected from a

- group comprising a category subclass to generate the log messages and a location subclass to generate the trace messages, wherein the generating of the trace messages includes reconstructing a control flow of the application while executing, wherein the trace messages are emitted to the location, the location including an area of program code;
- managing the one or more log controllers via a log manager coupled to the one or more log controllers;
- forwarding the received messages to one or more logs;
- formatting each of the one or more messages prior to publication of the one or more messages via a formatter coupled to the one or more logs, wherein each of the one or more messages is associated with a log record, wherein the log record includes severity information, the severity information having one or more of debug, path, info, warning, error, fatal, and none;
- and
- displaying the formatted one or more messages via a viewer coupled to the formatter.
14. (Previously Presented) The method of claim 13, wherein the log manager configures a plurality of logging routines for a kernel.
15. (Previously Presented) The method of claim 13, wherein the log manager provides support for storing system critical logs in a database.
16. (Previously Presented) The method of claim 13, wherein the formatter includes one or more subclasses or modules selected from a group comprising a list formatter, a trace formatter, and an Extensible Markup Language (XML) formatter.

17. (Previously Presented) The method of claim 13, wherein each of the one or more logs include one or more subclasses or modules selected from a group comprising a stream log, a file log, and a console log.
18. (Previously Presented) The method of claim 17, wherein one or more of the file log and the console log include subclasses of the stream log.
19. (Currently Amended) A tangible machine-readable storage medium having instructions which, when executed, cause a machine to:

executing a unified logging and tracing system including a logging system to generate log messages, and a tracing system to generate trace messages,
wherein the executing of the unified logging and tracing system further includes receive one or more messages from an application via one or more log controllers, wherein each of the one or more log controllers is a Java class that includes one or more subclasses or modules selected from a group comprising a category subclass to generate the log messages and a location subclass to generate the trace messages, wherein the generating of the trace messages includes reconstructing a control flow of the application while executing, wherein the trace messages are emitted to the location, the location including an area of program code;
manage the one or more log controllers via a log manager coupled to the one or more log controllers;
forward the received messages to one or more logs;
format each of the one or more messages prior to publication of the one or more messages via a formatter coupled to the one or more logs, wherein each of the one or more messages is associated with a log record, wherein the log

- record includes severity information, the severity information having one or more of debug, path, info, warning, error, fatal, and none; and display the formatted one or more messages via a viewer coupled to the formatter.
20. (Previously Presented) The tangible machine-readable storage medium of claim 19, wherein the log manager provides support for storing system critical logs in a database.
 21. (Previously Presented) The tangible machine-readable storage medium of claim 19, wherein the formatter includes one or more subclasses or modules selected from a group comprising a list formatter, a trace formatter, and an Extensible Markup Language (XML) formatter.
 22. (Previously Presented) The tangible machine-readable storage medium of claim 19, wherein each of the one or more logs include one or more subclasses or modules selected from a group comprising a stream log, a file log, and a console log.
 23. (Previously Presented) The tangible machine-readable storage medium of claim 19, wherein one or more of the file log and the console log include subclasses of the stream log.